



Name: Class: Mark:

1. (a) Describe how a black and white image could be represented in binary. [3]

- (b) How many bits per pixel would be required for an image with a palette of 256 possible colours[1]

2. State **two** factors that affect the file size of a bitmap image. [2]

3. Calculate the file size of each of the following images. [2]

- (a) A 256 colour icon with dimensions of 50 x 50 pixels.

- (b) A 16 colour icon with dimensions of 100 x 100 pixels.

4. Additional metadata data is stored alongside the binary colour values for each pixel.

Give **two** examples of metadata. [2]

[Total 10 marks]